

VOLUME XXX



# QUEENSLAND AGRICULTURAL JOURNAL

Issued by direction of

The Hon. the Secretary for Agriculture

.....  
Edited by J. F. F. REID  
.....

JULY to DECEMBER, 1928

# QUEENSLAND AGRICULTURAL JOURNAL.

VOL. XXX. PARTS 1 TO 6.

## GENERAL INDEX.

A.	PAGE.	C.	PAGE.
Aeroplanes, Privately-owned .....	172	Canary Seed .....	508
Age and Youth .....	174	Canary Seed Board .....	497
Agricultural Achievements .....	141	Cane Caterpillars .....	510
Agricultural College, Queensland .....	243	Cane Crops and Green Manures .....	512
Agricultural Economics Bureau .....	20	Cane Culture in Philippines .....	7
Agricultural Experiment and Research .....	425	Cane Diseases .....	188
Agricultural Legislation and Farm Produce Disposal .....	186	Cane Insects, Biological Control .....	518
Agricultural Organisation Objective .....	507	Cane Grub Activity .....	513
Agriculture and Science .....	185	Cane Grub Damage .....	88
Agriculture Board .....	424	Cane Pests and Diseases .....	91, 318, 427
Algaroba Tree .....	481	Cape Gooseberry, Red-fleshed .....	102
Algæ .....	492	Carbide Residue .....	67
Animal Manures .....	80	Carpet Couch .....	69
Animal Nutrition, Departmental Investigation .....	309	Castor Oil Plant and Leaves .....	69, 175
Arrowroot Board and Flour .....	613	Caterpillars of Cane, Biological Control .....	510
Arrowroot for Pigs .....	306	<i>Cestrum Pargui</i> , Noxious Plant .....	173
Artichokes for Pigs .....	306	Chaulmoogra Oil .....	412
Atherton Tableland .....	6	Cheese Quality, Queensland .....	308
Australian Rural Problems .....	17	Cherry Penda .....	68
B.		Citrus Marketing Points .....	74
Babies .....	177	Citrus Tree, Versatile .....	173
Babies, Welfare of .....	418	Clasping Small Clips .....	44
Banana Diseases .....	438	Clips, Clasping .....	44
Banana Experiment Station .....	424	Colour Prejudice in Corn .....	2
Bananas, Manuring .....	36	Colt, Cult of the .....	165, 387
Banana Propagation .....	494	Committee of Direction of Fruit Marketing .....	174
Banana Suckers and Bunchy Top .....	613	Co-operation, What it Means .....	175
Banana Weevil Borer .....	530, 611	Co-operative Cream Cartage .....	303
Bee-keeping Principles .....	56	Corn, Colour Prejudice in .....	2
Biological Control of Cane Insects .....	518	Cotton .....	239
Birds and Eye Worms .....	37	Cotton Board .....	74
Bloat and Succulent Feed .....	613	Cotton-growers and Entomological Hints .....	100
Board of Agriculture .....	424	Cotton-growing in Queensland .....	458
Borer of Banana .....	530, 611	Couch .....	68, 69
Bougainvillea .....	418	Country Children and Vocational Training .....	87
Boyd, the late Major A. J. .....	36	Cow's World Efficiency .....	310
Breeding Sow, Flushing .....	488	Cream Co-operative Cartage .....	303
British Live Stock Breeds .....	24	Cream, Good Quality .....	498
Brooks, G. B. .....	152	Cream Mixing .....	78
Brown, W. H., Obituary .....	414	Cream, Objectionable Flavours .....	78
Buffalo Fly .....	500	Cult of the Colt .....	165, 387
Bunchy Top and Banana Suckers .....	613	D.	
Butter Distinction for Queensland .....	611	Dairy Breed, Choosing .....	431
Butter Factory Success in Queensland .....	2	Dairy Factories, Success in Queensland .....	173
		Dairy Farmer's Decalogue .....	309



# GENERAL INDEX.

III.

PAGE.	PAGE.
Dairy Farming, Efficiency Factors .....	149
Dairy Heifer .....	590
Dairy Industry Production Problems ..	509
Dairy Practice Points .....	414
Dairy Stock Breeding and Selection ..	592
Dairying Industry .....	233
Dairying in Queensland .....	1, 119, 345, 424
Dairying, Meaning to Australia .....	175
Dairyman and Field Crops .....	10
Dams and Daughters .....	200
<i>Datura stramonium</i> , Poisonous Plant ..	69
Deciduous Fruit .....	509
Dehorning Cattle .....	412
Diseases in Stock Act .....	499
Disinfectants, Use on Dairy Farms ..	293
Dracenas .....	418
Drought Feeding of Stock .....	45
Duroc-Jersey Pigs, Ton Litter .....	300
<b>E.</b>	
Engines Reduced in Price .....	172
Entomological Hints to Cotton-growers	100
Eye Worms of Birds .....	37
<b>F.</b>	
Fallowing and Successful Wheat-growing	413
Farm Boys at Brisbane Show .....	241
Farm Buildings—Site and Aspect .....	304
Farm Produce Agents Acts, 1917-1928 ..	603
Farm Produce, Disposal Legislation ..	186
Farmer and Own Standards .....	424
Fat Lamb Raising .....	410, 487
Feed Succulence and Bloat .....	613
Fertilising, Cane Experiments .....	193
Fibrolite Bungalow .....	503
Field Crops for Dairymen .....	10
Fig, Native .....	66
Fishing Rods, Timbers .....	477
Flag Smut of Wheat .....	542, 548
Flower Garden .....	81
Flowering Shrubs .....	80, 415
Flushing Breeding Sow .....	488
Fodder Conservation .....	573
Food, Vitamin and Mineral Lack .....	609
Foxes and Safeguard .....	614
Foxes and Sugar Districts .....	498
Freshwater Algae .....	492
Friesians, Dairy Quality .....	308
Fruit Feeding to Pigs .....	493
Fruit Marketing Group Committees ..	172
Fruit Trees and White Ant Attack .....	309
<b>G.</b>	
Gassing Tons of Mice .....	173
Gate, Home Made .....	397
Giant Couch .....	68
Ginger Growing .....	589
Glass-lined Tanks for Milk Canning ..	176
Goodwin, Sir John and Lady .....	103
Granadillas .....	34
Grape Fruit .....	474
Great Ideals .....	176
Green Manures for Cane Crops .....	512
Green Manuring Crop .....	55
Gros Michel Banana .....	108, 595
Grub Damage and Cane .....	88
Grub Infestation Experiments .....	520
Gumming Disease Situation .....	5
<b>H.</b>	
Health and Virility in Tropical North	425
Herd Testing, Misunderstanding Removed	172
Horse versus Tractor .....	411
Humus and Fertility Increase .....	310
<b>I.</b>	
I.M.S. New Champion .....	549
Impaction in Pigs .....	71
Infant Welfare .....	615
Infested Swine, Introduction, Prohibition	169
Inkweeds .....	583
Inoculation of Stock .....	305
Insect Attack and Plant Failure .....	511
Interest on Savings .....	501
Isolation of Sick Pigs .....	493
<b>J.</b>	
Journal and Departmental Publicity ...	317
Juvenile Poultry Clubs .....	550
<b>K.</b>	
Kapoc .....	66
Kitchen Garden .....	81, 180, 311, 617
<b>L.</b>	
Ladybird and Leaf-eating .....	11
Lamb-marking Precautions .....	344
Lamb-raising .....	410
Landscape Gardening .....	80
Lavender Topped .....	412
Leaf-eating Ladybird .....	11
Leaf Spot of Banana .....	455
Lice Infested Pigs .....	306
Lily, Poisonous .....	69
Live Stock, British Breeds .....	24
Lucerne and Cultivator .....	612
Lucerne and Maize .....	43
<b>M.</b>	
Mackay Sanctuary .....	173
Macrozamia .....	608
Maize and Lucerne .....	43
Maize-growers of Atherton and Advances	497
Malnutrition .....	574
Mammitis .....	175
Market Control, Widespread Character	508
Marsh Watercress .....	492
Maternal Welfare .....	615
Mealy Bug and Paspalum .....	201
Meat Embargo, Victoria .....	297
Meat Industry .....	250

IV.

GENERAL INDEX.

	PAGE.		PAGE.
Meat Industry Hall .....	187	Poisoning Stock .....	609
Mesquite Tree .....	481	Poisonous Lily .....	69
Methylene Blue Reduction Test .....	298	Poisonous Plants .....	69, 239
Mice, Gassing .....	173	Potatoes, Scab .....	77
Milch Cows, Five Functions of Food .....	78	Poultry for Juvenile Clubs .....	550
Milk Carriage and Glass-lined Tanks .....	176	Poultry Industry .....	508
Milk Value .....	471	Poultry Parasitic Worms .....	157
Milking by Hand .....	605	Poultry Raising .....	237
Milking Machines and Cleanliness .....	79	Press as Educational Influence .....	185
Mineral Matters, Lack in Food .....	609	Primary Industries and Science .....	85
Minister in New Zealand .....	110	Primary Producers' Association .....	336
Minor Sugar-cane Pest .....	321	Production Costs, Lowering .....	171
Money Saving .....	610	Protection Rail for Young Pigs .....	614
Motor-tyres, Construction of .....	591	Public Curator's Office .....	174
		Public Curator Office Profits .....	501
		Publicity and Journal .....	317
<b>N.</b>			
Native Fig .....	66		
Needle Burr .....	69	<b>Q.</b>	
Northern Pig Board .....	610	Queen Bee Rearing .....	155
		Queensland Agricultural College .....	243
<b>O.</b>		Queensland Butter Achieves Remarkable Distinction .....	611
Orchard Ladder .....	74	Queensland Butter Factory Success .....	2
Organised Marketing Benefits .....	507	Queensland Producers' Association .....	343
		Queensland Products Appreciation .....	173
		Queensland's Wealth and Progress .....	110
<b>P.</b>			
Packing-Shed Cleaning .....	77		
Painting on the Farm .....	607	Rail for Protecting Young Pigs .....	614
Papaw Levy .....	497	Rain Forest Trees of Queensland .....	146, 294, 478, 580
Papaw Sex Determination .....	66	Rats and Mice and Stored Grain .....	307
Para Grass .....	68	Red-fleshed Cape Gooseberry .....	102
Parakilya .....	500	Reso Tour .....	498
Parasitic Worms of Poultry .....	157	Roughage for Dairy Cows .....	79
Paspalum .....	67	Royal Society of Queensland .....	76, 499
Paspalum and Mealy Bug .....	201	Rural Australian Problem .....	17
Pastoral Districts .....	496	Rural Progress Record .....	106
Pastoral Supplies .....	308		
Pastures Deterioration .....	86	<b>S.</b>	
Peanut .....	71	Saltbush .....	70
Peanut Board .....	171	San Jose Scale .....	437
Peanut Industry .....	509	Sanctuaries .....	308, 497
Phasemy Bean .....	66	Savings and Higher Interest .....	501
Phosphorus, Deficiency in Cattle .....	608	Scab in Potatoes .....	77
Phosphorus, Deficiency in Stock .....	138	Schools on Wheels .....	87
Phosphorus for Cattle .....	492	Science and Agriculture .....	185
Phosphorus in Live Stock Industry .....	260	Science and Primary Industries .....	85
Pig Farmers' School .....	60	Scientific Achievements .....	309
Pig Hygiene .....	63	Seaweed as Fertiliser .....	66
Pig Impaction .....	71	Seed Maize, Selection Points .....	79
Pig, Northern Board .....	610	Shade Trees .....	70
Pig Products at Show .....	300	Sheep and Wheat-growing .....	59
Pig Raising .....	237, 491	Shenton, G. W., Valedictory .....	611
Pig Transport .....	600	Shrubs .....	415
Pigs and Arrowroot, Sweet Bucks and Artichokes .....	306	Sire Influence on Herd .....	200
Pigs and Lice .....	306	Smut of Wheat .....	542, 548
Pigs and Protecting Rail .....	614	Soil Fertility .....	86, 143
Pigs at Show .....	162	Soldering Hints .....	612
Pigs, Care and Handling .....	62	Soudan Grass Fodder .....	608
Pigs, Isolation in Sickness .....	493	Sow Ailments Treatment .....	305
Pigs, Preparation for Show .....	72	Sow Suffering .....	306
Pigs, Trade Classification .....	398	Spider Bites Remedy .....	172
Pineapple Diseases, Investigations .....	26	Spokes Tightening .....	407
Plane, Biggest in World .....	609	Starlings and Swine Fever .....	413
Plant Cane Precaution .....	308		
Pneumatic Tyres Story .....	621		



# GENERAL INDEX.

v.

	PAGE.
<i>Sterculia quadrifida</i> .....	608
Stock, Drought Feeding .....	45
Stock Feeding in Australia .....	49
Stock Foods .....	186
Stock Inoculation .....	305
Stock Losses at Quilpie .....	170
Stock Poisoning .....	609
Stored Grain and Rats and Mice .....	307
Stud, Valuable Pigs .....	163
Sugar Assessment .....	73
Sugar-cane Fertilisers Results .....	4
Sugar-cane, Varieties, Disease Resist- ance .....	429
Sugar Industry Defence .....	86
Sugar Industry Position .....	3
Sugar Levies .....	497
Sunlight Piggery .....	364
Sutherland, G., Obituary .....	612
Swamp Paspalum .....	67
Sweet Bucks for Pigs .....	306
Swine Fever and Starlings .....	413
Swine Fever Precautions .....	490
Swine Introduction, Prohibition when Diseased .....	169

## T.

Theiler, Sir Arnold .....	74
Thorburn, A. McT., Obituary .....	472
Thrips of Australia .....	325
Thysanoptera of Australia .....	325
Tick Cleansing Operations .....	529
Tick Trefoil .....	69
Timbers for Fishing Rods .....	477
Ton Litter of Durco-Jersey Pigs .....	300
Top-dressing on Wool .....	386
Topped Lavender .....	412
Tractor Care .....	389
Tractor Ploughing, Time Saving .....	394
Tractor versus Horse .....	411
Tractors, Brakes and Speeds .....	154
Trefoil .....	69
Tropical North, A Healthy Virile Race .....	425
Tuberculosis Testing .....	608
Turkey Rearing .....	41
Tyres, Story .....	621

## U.

University Role .....	610
Utility Poultry Judging .....	302

## V.

Victorian Meat Embargo .....	297
Vitamins, Lack in Food .....	609
Vocational Training for Country Children .....	87

## W.

Watercress .....	492
Wealth in Wool .....	229
Weeds .....	239
Weeds of Queensland .....	598
Weevil Banana Borer .....	611
Weevil Borer in Java .....	530
Wheat Board .....	74, 171, 496
Wheat Flag Smut .....	542, 548
Wheat-growing and Fallowing .....	413
Wheat-growing and Sheep .....	59
Wheat Pool .....	73, 170
White Ant Attack and Fruit Trees .....	309
Wild Onion .....	67
Wire and Wireless .....	73
Wireworms Outbreak .....	426
Woman on Farm .....	179
Wool and Top-dressing .....	386
Wool Wealth .....	229
World's Biggest Plane .....	609
World's Most Efficient Cow .....	310
Worms of Poultry .....	157

## Y.

Yellow Watercress .....	492
Youth and Age .....	174

## Z.

Zamia, Northern Species .....	68
-------------------------------	----

# INDEX TO ILLUSTRATIONS.

	PAGE.		PAGE.
<b>A.</b>			
Algaroba Bean Trees .....	481-486	Cotton Plants .....	464
Ant Exterminator, Universal .....	95	Cowpea Green Manure at Palmwoods ...	55
Ayrshire Cow, ideally Proportioned .....	361	Cream Cartage Diagram .....	303
Ayrshire Cow in Noted Herd .....	136		
<b>B.</b>			
Bacon Display, 1928 .....	258	Dairy Cow Measurement .....	358
Bag Worm Case .....	429	Dairy Cow Points .....	118
Banana Anthracnose .....	451	Dairy Display, 1928 .....	234
Banana Aphis .....	445	Dairy Farm Scene, Queensland .....	121, 356
Banana Cigar End .....	451	Dairy Herd, Queensland .....	346
Banana Leaf Spot .....	447	Dispharagus Nasutus of Fowl Stomach ..	157
Banana, Panama Disease .....	449	"Dominion Advance," New Zealand ..	
Banana Stem End Rot .....	451	Jersey Bull .....	117
Banana Weevil Borer Enemies .....	531	"Dominion Avis," New Zealand Stud ..	
Beef Display, 1928 .....	254	Cow .....	117
Berkshire Porkers .....	403	"Dominion Director," New Zealand Stud ..	
Berkshire-Tamworth Cross Baconers ...	401	Bull .....	115
Bonemeal Feeding .....	278-279	"Dominion Golden Floss," New Zealand ..	
Brilliant Shine, Clydesdale, N.Z. ....	111	Jersey Cow .....	116
Brisbane Valley District Exhibit, 1928 ...	372	Drepanidotænia Infundibuliformis .....	161
Brooks, G. B., Instructor in Agriculture, ..		Dry Mash Feeder .....	556
Central District .....	152		
Bruce, S. M., Prime Minister .....	218	<b>E.</b>	
Bunchy Topped Leaves .....	439	<i>Enliandra discolor</i> .....	147-148
Bunchy Topped Plant .....	443	Entomology Display, 1928 .....	240
Butchery Exhibit, 1928 .....	253	Eye Roup .....	571
Butter Factory, Interior .....	354		
Button Weed .....	599		
<b>C.</b>			
Cane Display, 1928 .....	272	Farm Layout Plan .....	150
Cankered Chicken's Jaws .....	559	Fibrolite Bungalow .....	503
Cape Gooseberry, New Type .....	102	First Cane Ratoons .....	432
Cavendish Banana Hand Raised from ..		Flag Smut of Wheat .....	542-545
Single Eye .....	494	Flushed Breeding Sows .....	488-489
Chicken Bedding Down .....	553	Fodder Crops Display, 1928 .....	227
Chicken Pox on Cockerel .....	568	Fowl Gizzard Worm .....	158
Clydesdales of New Zealand .....	111-114	Fowl Intestinal Worm .....	564
Contagious Fowl Catarrh .....	570	Fowl Louse .....	561
Coochin Coochin Apple-trees .....	604	Fowl Ticks .....	558
Coochin Coochin Forest and Farm Land ..	145	Foxes Safeguard .....	614
Coochin Coochin Lucerne Fields .....	363	Friesian Typical Cow .....	134
Coochin Coochin Pastures .....	313	Fruit Branch Field Staff, 1928 .....	23
Coochin Coochin Scene .....	16	Fruit Packing, Palmwoods, Exhibit, ..	
Coochin Coochin Willow-shaded Pond ...	72	1928 .....	380
"Coonong Masterstroke," Gindie Beef ..			
Shorthorn Bull .....	164	<b>G.</b>	
Cotton Cultivation .....	464	Gate Made on Farm .....	397
Cotton Display .....	238	Gatton College Exhibit, 1928 .....	381
Cotton Field .....	469	Ginger Crop on Buderim .....	589
Cotton Ginnery and Oil Mills, Whinstanes ..	459	Goodwin, Sir John and Lady .....	103
Cotton Plant Rows .....	463		



# GENERAL INDEX.

VII.

## INDEX TO ILLUSTRATIONS—continued.

	PAGE.
Government House .....	104
Government House Cedars .....	105
Granadilla, Large Fruited .....	35
Grand Parade, 1928 .....	210
Grapefruit, Marsh's Seedless .....	475-476
Green Manuring Crop .....	55
Greenstuff, Cutting and Carting to Pigs .....	59
Greyback Cane Beetle Grubs Killed by Green Muscardine Fungus .....	88
Grey Handlewood .....	479-480
Gros Michel Bananas .....	109, 595-597
Guernsey Cow .....	25

### H.

Head Lice Attacked Cockerel .....	562
Herd Testing Display, 1928 .....	235
"Holly Oak Beauty Knight," New Zealand Stud Bull .....	116
Honey House, Agricultural College, Gatton .....	56
Horse Judges, 1928 .....	385

### I.

I.M.S. Bull Prize Winner .....	132
I.M.S. Reserve Champion Cow .....	132
Inkweed Experiments .....	584-588
Inverted Bottle and Tin for Water to Young Chickens .....	557

### J.

Jersey Champion Cow .....	136
Journal Alcove, 1928 .....	242

### K.

"King of the Ring" .....	239
--------------------------	-----

### L.

Large Fruited Granadilla .....	35
<i>Lepidiota grata</i> and <i>rothi</i> Wing-case Scales .....	94
<i>Lepidiota grata</i> Grub Ventral Spine Bristles .....	93
Long Round Worms .....	160

### M.

Maize Display, 1928 .....	223
Meat Hall, 1928 .....	376
Meat Industry Display, 1928 .....	250
Mutton Exhibit, 1928 .....	256

### N.

Native Grasses Display, 1928 .....	228
Northern Darling Downs District Exhibit, 1928 .....	373
Northern Tablelands, N.S.W. District Exhibit, 1928 .....	366

### O.

Ochertyre Clydesdales, New Zealand .....	113-114
Oliver's Sassafra .....	581-582
One Farm Exhibit, First Prize, Cawdor, 1928 .....	384
Opening Ceremony, 1928 .....	213
Orpington Hen Intestine after Death from Tumour .....	159
Osteophagia of Cattle 263-267, 269-272, 274-276	

### P.

Paspalum Mealy Bug .....	203
Phosphorus Diagram .....	261
Pig Blakeney Stud .....	400
Pig Crates .....	600, 601
Pig Display, 1928 .....	236
Pig Industry Committee .....	301
Pig School at Gatton College .....	61
Piglet Bottle Fed .....	405, 406
Pigs, Protection Rail .....	614
Plant Pathology Display, 1928 .....	241
Police Remounts .....	220
Poultry Display, 1928 .....	237
Poultry House .....	551-552

### R.

Red Mite .....	560
Reid, J. F. F. ....	332
Ring and Crowd, 1928 .....	216
Ring Officials, 1928 .....	385

### S.

Scaley Leg .....	572
"Scotland's Victor," New Zealand Clydesdale .....	112
Seedling Orange-tree at Moorland, N.S.W. ....	493
Shire Mare .....	24
Silage Stack Construction .....	351
Silo Stack Construction and Ground Plan .....	349
Spiroptera Hamulasa, Fowl Gizzard Worm .....	158
Spokes Tightening .....	407
State Butchery Display, 1928 .....	252
State Cannery Display, 1928 .....	377

VIII.

## GENERAL INDEX.

## INDEX TO ILLUSTRATIONS—continued.

	PAGE.		PAGE
Stiff Cattle Disease .....	262	V.	
Stock Parade, 1928 .....	219	Veldt .....	281-282
Sunlight Piggery .....	364		
<b>T.</b>		<b>W.</b>	
Tape Worm .....	566	Weeping Myrtle .....	295-296
Thornburn, late A. McT. ....	472	Wheat Display, 1928 .....	225
Triangular Field Lay-out .....	394	Wide Bay and Burnett District Exhibit, 1928 .....	367
Turn Strips in Irregular Field .....	396	Wool Display, 1928 .....	230
Turn Strips in Rectangular Field .....	395		

A. J. CUMMING, Government Printer, Brisbane.